UNITED STATES PATENT AND TRADEMARK OFFICE

BEFORE THE PATENT TRIAL AND APPEAL BOARD

ILLUMINA INC.,
Petitioner

v.

MOLECULAR LOOP BIOSCIENCES, INC.,
Patent Owner

Case IPR2024-00964

U.S. Patent No. 11,041,852

PATENT OWNER'S UPDATED EXHIBIT LIST

Mail Stop Patent Board
Patent Trial and Appeal Board
U.S. Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

PATENT OWNER'S EXHIBIT LIST

Ex. #	DESCRIPTION
2001	Declaration of Viktor Adalsteinsson, Ph.D.
2002	Deposition Transcript of Paul T. Spellman, Ph.D., April 9, 2025
2003	Illumina White Paper – Effects of Index Misassignment on Multiplexing and Downstream Analysis, Illumina (2018), available at https://www.illumina.com/content/dam/illumina-marketing/documents/products/whitepapers/index-hopping-white-paper-770-2017-004.pdf
2004	Kircher et al., *Double indexing overcomes inaccuracies in multiplex sequencing on the Illumina platform*, Nucleic Acids Research 40(1):e3 (2011).
2005	Lefrancois et al., *Efficient yeast ChIP-Seq using multiplex short-read DNA sequencing*, BMC Genomics 10:37 (2009).
2006	Illumina Application Note – High-Speed Multiplexed 16S Microbial Sequencing on the MiSeq® System, Illumina (2011), available at https://www.illumina.com/documents/products/appnotes/appnote_miseq_16S.pdf
2007	Illumina Sequencing - Multiplexed Sequencing with the Illumina Genome Analyzer System (2008), available at https://www.illumina.com/documents/products/datasheets/datasheet_sequencing_multiplex.pdf
2008	*Microbiome profiling by Illumina sequencing of combinatorial sequence-tagged PCR products*, arxiv.org/abs/1007.5075 (as archived December 12, 2020, at https://web.archive.org/web/20201212073547/https:arxiv.org/abs/1007.5075)
2009	Maughan et al., *SNP Discovery vis Genomic Reduction, Barcoding, and 454-Pyrosequencing in Amaranth*, The Plant Genome 2:260-270 (2009).
2010	Meyer et al., *Targeted high-throughput sequencing of tagged nucleic acid samples*, Nuvleic Acids Research 35(15): e97 (2007).
2011	Wang et al., *A Low-Cost Library Construction Protocol and Data Analysis Pipeline for Illumina-Based Strand-Specific Multiplex RNA-Seq*, PLoS One 6(1): e26426 (2011)
2012	Kenny et al., *Multiplex Target Enrichment Using DNA Indexing for Ultra-High Throughput SNP Detection*, DNA Research 18:31-38 (2010).

Ex. #	DESCRIPTION
2013	Declaration of Michael Wueste in Support of Motion for Admission *Pro Hac Vice*
2014	Declaration of Kevin Goon in Support of Motion for Admission *Pro Hac Vice*
2015	Deposition Transcript of Paul T. Spellman, Ph.D., August 1, 2025
2016	Patent Owner's Demonstratives

Dated: September 18, 2025

Respectfully submitted,

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CERTIFICATE OF SERVICE

Pursuant to 37 C.F.R. § 42.6(e), the undersigned certifies that on September 18, 2025, a complete copy of the foregoing was served on counsel of record for Petitioner by filing this document through P-TACTS and by sending this document via electronic mail to the following addresses:

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